CROPS

FIELD CROPS

The 2001 crop year got off to a good start due to ideal weather conditions at planting time. Planting progress was well ahead of historic norms. Planted acreage for most crops were above a year earlier when many fields were left unplanted due to wet conditions. Early crop development was excellent due to ample moisture and warm temperatures. The summer months were dominated by hot, dry conditions that put stress on many crops. Yields were generally higher than a year ago, with the notable exception of potatoes and dry beans, which were significantly lower.

GRAIN CORN production totaled 56.7 million bushels in 2001, up 21 percent from the previous year. Area for harvest totaled 540,000 acres, up 13 percent from 2000. Yields averaged 105 bushels per acre, up 7 bushels from a year earlier. The value of production, at $130 million, was up 26 percent from 2000.

SILAGE CORN production, at 7.76 million tons, was up 11 percent from 2000. Acres harvested for silage decreased 3 percent to 485,000 acres. Yields were estimated at 16.0 tons per acre, up 2.0 tons from a year earlier. Value of production totaled $205 million, up 8 percent from 2000.

WHEAT production in 2001 totaled 6.36 million bushels, down 14 percent from the previous year. Harvested acreage, at 120,000 acres, was down 14 percent from 2000. Wheat yields averaged 53 bushels per acre, unchanged from a year earlier. The crop was valued at $15.6 million, up 8 percent from a year ago.

OAT production, at 5.52 million bushels, was up 42 percent from the previous year. Area harvested, at 80,000 acres, was up 33 percent from last year's record low of 60,000 acres. The average yield, at 69 bushels per acre, was up 4 bushels from a year ago. Production was valued at $7.73 million, up 42 percent from 2000.

BARLEY production totaled 612,000 bushels, up 6 percent from a year ago. Acreage harvested for grain totaled 12,000 acres, up 2,000 acres from 2000. The average yield per acre, at 51 bushels, was down 7 bushels from last year. The value of production totaled $979 thousand, up 2 percent from the 2000 value.

SOYBEAN production was estimated at 5.21 million bushels, 20 percent above last year's production. Area harvested, at a record high 158,000 bushels, was up 20 percent from a year ago. Yields averaged 33 bushels per acre, unchanged from a year earlier. The value of soybeans was set at $22.7 million, up 14 percent from 2000.

ALL DRY HAY production was placed at 3.55 million tons, up 15 percent from last year. Acreage harvested for dry hay during 2001 increased 9 percent to 1.66 million acres. Yield, at 2.14 tons per acre, was 5 percent above a year ago. Value of production, at $344 million, makes hay the State's number one crop.

ALFALFA DRY HAY production was 1.57 million tons, up 56 percent from last year's crop. Area harvested, at 560,000 acres, was 33 percent above last year. Yields averaged 2.80 tons per acre, up 17 percent from a year earlier. Value of production was $185 million, up 54 percent from 2000.

OTHER DRY HAY production, which includes clover-timothy, mixed grasses, etc., was 1.98 million tons, down 5 percent from 2000. Area harvested, at 1.10 million acres, was unchanged from a year earlier. Yields averaged 1.80 tons per acre, down 5 percent from a year ago. Value of production, at $159 million, was down 18 percent from the previous year.

POTATO production totaled 5.94 million hundredweight (cwt.), down fractionally from 2000. Harvested acreage totaled 23,300 acres, up 2,000 acres from last year's record low. Yields averaged 255 cwt. per acre, down 25 cwt. from a year ago. Value of production totaled $58.8 million, up 13 percent from 2000.

DRY BEAN production totaled a record low 194,000 cwt., down 46 percent from 2000. Acres harvested fell 9 percent to 22,300 acres. The average yield per acre was 870 pounds per acre, down 590 pounds from last year. The 2001 crop was valued at $4.48 million, down 33 percent from 2000.

2001 CROP SUMMARY

APRIL brought warm, dry weather which permitted fieldwork to get off to an early start and progress rapidly. Pastures and hay crops were thriving under the favorable weather. Corn planting got underway. Oat seeding reached nearly a third complete and potato planting was just started. Producers hoped for rainfall by month's end to bring up plantings and maintain hay growth and pastures. Vegetable planting was off to an early start. Orchard spraying moved into full swing.

Hot, dry weather during most of **MAY** pushed planting progress well ahead of schedule. At month's end corn planting neared completion, soybean planting passed the half-way mark, oat seeding was complete, and potato planting wound down. Cooler temperatures and much needed rainfall dominated the last week of the month. Pastures rebounded and hay growth improved. Some onion fields were replanted because hot, dry weather had killed plants.

Field crop planting finished during **JUNE** and producers turned their attention to making hay. First cuttings of alfalfa and clover-timothy neared completion by the end of the month; second cuttings progressed rapidly. On Long Island the strawberry harvest wound down and the potato harvest was started. Vegetables thrived in the warm temperatures. The Hudson Valley cherry harvest was in full swing.

Dry weather during **JULY** became a concern. Hay yields suffered and corn was showing signs of moisture stress. Soil moisture supplies deteriorated and by months end were 13 percent very short and 51 percent short. Alfalfa second cuttings were over three quarters harvested with very little regrowth evident. Wheat harvest passed the halfway mark and oats for forage were being cut. Sweet corn harvest gained momentum. Sweet and tart cherry harvests wound down while peach harvest started.

Record breaking heat and continued dryness during **AUGUST** resulted in drought conditions to be declared. Soil moisture supplies fell to 22 percent very short and 41 percent short. Field crop conditions were extremely variable as localized storms provided needed moisture in some areas while other areas got drier. Third cutting of alfalfa was slow because of poor regrowth. Oat harvesting ended. Vegetables were coming out of fields at a steady rate. Onion and sweet corn harvest was at peak. Apple picking got underway and the peach and pear harvest continued.

SEPTEMBER brought little relief to dry conditions and soil moisture supplies were depleted further. Silage corn harvest moved into high gear. Hay harvest slowed as rain was needed for regrowth. Winter wheat was being planted under extremely dry conditions. Apple picking moved into full swing. Fruit size was down and volume light. Pumpkin and squash harvests began.

OCTOBER brought more dry weather and warmer than normal temperatures. Corn silage harvest was completed during the month and grain harvest became the top priority. Dry bean and soybean harvest were active and fall plowing got underway. Hay making stopped and winter wheat and rye seedings were completed. Apple picking wound down while pear and peach harvests were completed. Grape harvest on Long Island was at peak. Cabbage harvest continued while pumpkin harvest peaked just before Halloween.

Table 8. **FIELD CROPS:** Acres, Yield, Production, and Value, 1992-2001

Crop and Year	Planted	Harvested	Yield per acre	Production	Marketing year average price	Value of production
	1,000 acres	*1,000 acres*	*Bushels*	*1,000 bushels*	*Dollars per bu.*	*1,000 dollars*
WHEAT						
1992	120	110	56.0	6,160	2.70	16,632
1993	95	85	46.0	3,910	3.30	12,903
1994	120	115	53.0	6,095	3.20	19,504
1995	130	125	55.0	6,875	4.20	28,875
1996	160	150	43.0	6,450	4.15	26,768
1997	135	130	56.0	7,280	3.35	24,388
1998	140	130	54.0	7,020	2.13	14,953
1999	130	125	65.0	8,125	2.05	16,656
2000	150	140	53.0	7,420	1.94	14,395
2001	125	120	53.0	6,360	2.45	15,582
OATS						
1992	140	110	70.0	7,700	1.43	11,011
1993	135	105	62.0	6,510	1.38	8,984
1994	130	110	64.0	7,040	1.42	9,997
1995	110	90	58.0	5,220	1.65	8,762
1996	85	70	55.0	3,850	2.10	8,085
1997	100	90	65.0	5,850	1.70	9,945
1998	115	105	62.0	6,510	1.41	9,179
1999	100	70	68.0	4,760	1.45	6,902
2000	80	60	65.0	3,900	1.40	5,460
2001	95	80	69.0	5,520	1.40	7,728
RYE						
1992	52	9	32.0	288	2.05	590
1993	40	8	27.0	216	2.25	486
1994	30	8	31.0	248	2.25	558
1995	42	9	35.0	315	2.25	709
1996	49	8	28.0	224	3.00	672
1997	40	7	33.0	231	2.10	485
1998	50	15	35.0	525	2.00	1,050
1999	45	15	38.0	570	1.50	855
2000	40	7	40.0	280	2.00	560
2001	35	7	27.0	189	2.00	378
BARLEY						
1992	12	10	56.0	560	1.75	980
1993	14	12	52.0	624	1.65	1,030
1994	12	9	61.0	549	1.75	961
1995	12	10	65.0	650	1.80	1,170
1996	16	12	54.0	648	3.05	1,976
1997	16	13	54.0	702	2.00	1,404
1998	18	16	50.0	800	1.30	1,040
1999	19	17	57.0	969	1.35	1,308
2000	12	10	58.0	580	1.65	957
2001	15	12	51.0	612	1.60	979

Table 8. **FIELD CROPS:** Acres, Yield, Production, and Value, 1992-2001 *(Continued)*

Crop and Year	Planted 1/	Harvested	Yield per acre	Production	Marketing year average price	Value of production
	1,000 acres	*1,000 acres*	*Bushels*	*1,000 bushels*	*Dollars per bu.*	*1,000 dollars*
SOYBEANS						
1992	52	50	30.0	1,500	5.25	7,875
1993	56	55	34.0	1,870	6.10	11,407
1994	70	68	41.0	2,788	5.00	13,940
1995	66	63	38.0	2,394	6.20	14,843
1996	76	75	35.0	2,625	6.35	16,669
1997	105	102	37.0	3,774	6.00	22,644
1998	100	97	41.0	3,977	5.10	20,283
1999	130	128	37.0	4,736	4.20	19,891
2000	135	132	33.0	4,356	4.55	19,820
2001	160	158	33.0	5,214	4.35	22,681
CORN FOR GRAIN						
1992	1,150	550	92.0	50,600	2.30	116,380
1993	1,100	540	105.0	56,700	2.85	161,595
1994	1,110	570	116.0	66,120	2.65	181,366
1995	1,130	620	105.0	65,100	3.85	246,593
1996	1,150	630	103.0	64,890	2.98	193,372
1997	1,170	600	110.0	66,000	2.62	172,920
1998	1,130	580	114.0	66,120	2.21	146,125
1999	1,150	590	101.0	59,590	2.24	133,482
2000	980	450	98.0	44,100	2.35	103,635
2001	1,030	540	105.0	56,700	2.30	130,410
CORN SILAGE			*Tons*	*1,000 tons*	*Dollars per ton*	
1992	-	550	14.5	7,975	22.80	181,830
1993	-	550	14.2	7,810	24.10	188,221
1994	-	540	15.8	8,532	22.70	193,676
1995	-	505	14.0	7,070	24.50	173,215
1996	-	510	15.5	7,905	25.80	203,949
1997	-	560	15.0	8,400	34.40	288,960
1998	-	550	16.0	8,800	25.30	222,640
1999	-	560	16.0	8,960	25.90	232,064
2000	-	530	14.0	7,420	25.60	189,952
2001	-	485	16.0	7,760	26.40	204,864
DRY BEANS 2/			*Lbs.*	*1,000 cwt.*	*Dollars per cwt.*	
1992	35	29.0	1,050	305	23.40	7,137
1993	37	34.0	1,350	459	19.40	8,905
1994	39	38.5	1,520	585	20.30	11,876
1995	34	33.0	1,630	538	18.10	9,738
1996	30	29.0	1,300	377	27.00	10,179
1997	44	43.5	1,560	679	20.60	13,987
1998	31	30.0	1,420	426	25.30	10,778
1999	31	30.2	1,370	414	19.40	8,032
2000	25	24.5	1,460	358	18.80	6,730
2001	23	22.3	870	194	23.10	4,481

1/ Complete utilization of corn acreage planted is shown on page 22. Corn planted acreage includes corn for grain, silage, forage, and abandoned acres.

2/ Production by major varieties is shown on page 21.

Table 8. **FIELD CROPS:** Acres, Yield, Production, and Value, 1992-2001 *(Continued)*

Crop and Year	Planted	Harvested	Yield per acre	Production	Marketing year average price	Value of production
	1,000 acres	*1,000 acres*	*Tons*	*1,000 tons*	*Dollars per ton*	*1,000 dollars*
ALFALFA HAY						
1992	-	800	2.35	1,880	95.50	179,540
1993	-	700	2.45	1,715	97.00	166,355
1994	-	620	2.95	1,829	93.00	170,097
1995	-	650	2.60	1,690	94.00	158,860
1996	-	640	2.70	1,728	99.50	171,936
1997	-	640	2.60	1,664	110.00	183,040
1998	-	600	2.45	1,470	105.00	154,350
1999	-	550	2.30	1,265	121.00	153,065
2000	-	420	2.40	1,008	119.00	119,952
2001	-	560	2.80	1,568	118.00	185,024
OTHER HAY						
1992	-	900	1.90	1,710	76.50	130,815
1993	-	1,050	1.80	1,890	74.50	140,805
1994	-	1,040	2.05	2,132	75.00	159,900
1995	-	950	1.85	1,758	72.00	126,576
1996	-	870	2.00	1,740	74.50	129,630
1997	-	890	2.00	1,780	80.50	143,290
1998	-	800	2.05	1,640	82.00	134,480
1999	-	950	1.80	1,710	90.50	154,755
2000	-	1,100	1.90	2,090	93.50	195,415
2001	-	1,100	1.80	1,980	80.50	159,390
ALL HAY 1/						
1992	-	1,700	2.11	3,590	88.00	310,355
1993	-	1,750	2.06	3,605	90.50	307,160
1994	-	1,660	2.39	3,961	84.50	329,997
1995	-	1,600	2.16	3,448	85.50	285,436
1996	-	1,510	2.30	3,468	87.00	301,566
1997	-	1,530	2.25	3,444	94.00	326,330
1998	-	1,400	2.22	3,110	93.00	288,830
1999	-	1,500	1.98	2,975	108.00	307,820
2000	-	1,520	2.04	3,098	103.00	315,367
2001	-	1,660	2.14	3,548	103.00	344,414

1/ All hay price is based on weighted sales, not production.

Table 9. **POTATOES:** Acreage, Yield, Production, and Disposition, Sales, and Value, 1992-2001

Crop Year	Planted	Harvested	Yield per acre	Production	Used on farms where grown 1/	Sold	Marketing year average price	Value	
								Production	Sales
	Acres	*Acres*	*Cwt.*	--------*1,000 cwt.*--------			*Dollars per cwt.*	*1,000 dollars*	
1992	28,200	27,000	289	7,808	1,043	6,765	6.65	51,923	44,987
1993	28,800	28,200	273	7,693	585	7,108	8.20	63,083	58,286
1994	29,100	28,600	273	7,805	548	7,257	9.75	76,190	70,814
1995	28,000	27,500	270	7,425	445	6,980	7.45	55,316	52,001
1996	27,000	26,500	280	7,420	468	6,952	7.30	54,166	50,750
1997	26,500	26,000	275	7,150	454	6,696	8.75	62,563	58,590
1998	27,600	27,000	270	7,290	440	6,850	9.35	68,162	64,048
1999	26,000	25,500	265	6,758	418	6,340	9.00	60,822	57,060
2000	22,000	21,300	280	5,964	514	5,450	8.70	51,887	47,415
2001	23,500	23,300	255	5,942	2/	2/	9.90	58,826	2/

1/ Includes feed and seed used on farms where produced and shrinkage during storage.
2/ Available September 19, 2002.

Table 10. **POTATOES:** Stocks Held by Growers and Local Dealers, 1992-2001 1/

Crop Year	December 1	January 1	February 1	March 1	April 1
			1,000 cwt.		
1992	3,000	3,100	2,240	2/	2/
1993	3,650	2,000	1,200	2/	2/
1994	4,200	3,000	1,800	2/	2/
1995	3,400	2,500	1,500	900	400
1996	3,700	2,400	1,400	800	350
1997	3,600	2,500	1,500	800	400
1998	3,400	2,300	1,500	800	350
1999	3,500	2,500	1,800	1,300	700
2000	2,700	1,900	1,400	1,000	400
2001	2,900	2,200	1,400	650	250

1/ Total stocks consist of production less total disappearance to date. Disappearance includes all sales for all purposes, all potatoes eaten or fed on farms where produced and all losses to date through shrinkage, decay, dumping, etc.
2/ Not published to avoid disclosure of individual operations.

Table 11. **DRY BEANS:** Acreage, Yield, Production, and Off-Farm Stocks, by Class, 1992-2001

Crop Year	Acres		Yield per acre	Production	Off-Farm Stocks		
	Planted	Harvested			Jan. 1	Apr. 1	Sept. 1
	1,000 acres		*Pounds*	*1,000 cwt.*		*1,000 cwt.*	
RED KIDNEY							
Light 1992	19.5	16.0	970	155	99	63	1/
1993	20.0	18.0	1,280	230	142	63	1/
1994	21.0	20.5	1,480	303	138	81	1/
1995	19.0	18.0	1,620	292	125	72	1/
1996	16.5	16.0	1,270	203	113	78	1/
1997	25.0	24.5	1,580	387	80	60	1/
1998	16.0	15.5	1,350	209	113	56	12
1999	17.7	17.5	1,290	225	181	115	32
2000	15.0	14.6	1,430	209	149	93	31
2001	13.3	13.1	850	112	72	31	2/
Dark 1992	3.5	2.6	1,080	28	1	1/	-
1993	5.0	4.8	1,250	60	1	-	-
1994	5.0	5.0	1,460	73	-	-	-
1995	4.0	4.0	1,600	64	-	-	1/
1996	3.5	3.0	1,270	38	1/	1/	1/
1997	2.0	2.0	1,650	33	1/	1/	1/
1998	2.0	2.0	1,600	32	1/	1/	1/
1999	2.0	2.0	1,350	27	1/	1/	1/
2000	1.9	1.8	1,280	23	1/	1/	1/
2001	1.2	1.2	830	10	-	-	2/
BLACK TURTLE							
1992	8.5	7.2	1,250	90	52	36	11
1993	8.0	7.5	1,600	120	92	37	12
1994	9.0	9.0	1,620	146	90	45	12
1995	8.0	8.0	1,690	135	93	58	15
1996	7.0	7.0	1,430	100	63	49	14
1997	13.0	13.0	1,530	199	58	35	11
1998	10.5	10.0	1,470	147	82	52	13
1999	9.5	9.0	1,570	141	152	108	67
2000	5.2	5.2	1,500	78	101	63	43
2001	6.7	6.3	940	59	95	28	2/
OTHER CLASSES							
1992	3.5	3.2	1,000	32	17	1/	1/
1993	4.0	3.7	1,320	49	16	2	1/
1994	4.0	4.0	1,580	63	23	12	1/
1995	3.0	3.0	1,570	47	35	12	5
1996	3.0	3.0	1,200	36	1/	1/	7
1997	4.0	4.0	1,500	60	1/	1/	16
1998	2.5	2.5	1,520	38	1/	1/	1/
1999	1.8	1.7	1,240	21	1/	1/	1/
2000	2.9	2.9	1,660	48	1/	1/	1/
2001	1.8	1.7	760	13	7	5	2/
ALL CLASSES							
1992	35.0	29.0	1,050	305	169	106	36
1993	37.0	34.0	1,350	459	251	102	25
1994	39.0	38.5	1,520	585	251	138	24
1995	34.0	33.0	1,630	538	253	142	26
1996	30.0	29.0	1,300	377	211	146	26
1997	44.0	43.5	1,560	679	159	127	34
1998	31.0	30.0	1,420	426	210	130	32
1999	31.0	30.2	1,370	414	371	239	114
2000	25.0	24.5	1,460	358	276	173	84
2001	23.0	22.3	870	194	174	64	2/

1/ Included in total to avoid disclosure of individual operations.
2/ Available September 2002.

Table 12. **CORN:** Acreage Utilization, 1992-2001

Crop Year	Total acres planted	Acres harvested for					
		All Grain	Dry Shelled	High Moisture Shelled	High Moisture Ground Ear	Silage	Forage and abandoned
				1,000 acres			
1992	1,150	550	400	120	30	550	50
1993	1,100	540	390	120	30	550	10
1994	1,110	570	420	120	30	540	0
1995	1,130	620	460	130	30	505	5
1996	1,150	630	435	175	20	510	10
1997	1,170	600	450	120	30	560	10
1998	1,130	580	435	115	30	550	0
1999	1,150	590	460	105	25	560	0
2000	980	450	360	80	10	530	0
2001	1,030	540	405	115	20	485	5

Table 13. **HAY:** Stocks on Farms, 1992-2001

Crop Year	Total production	Stocks Following Harvest			
		December 1		May 1	
		Stocks	Percent of production	Stocks	Percent of production
	1,000 tons	*1,000 tons*	*Percent*	*1,000 tons*	*Percent*
1992	3,590	2,334	65	503	14
1993	3,605	1,983	55	361	10
1994	3,961	2,377	60	594	15
1995	3,448	2,069	60	552	16
1996	3,468	2,254	65	555	16
1997	3,444	1,998	58	344	10
1998	3,110	1,990	64	435	14
1999	2,975	1,900	64	385	13
2000	3,098	2,280	74	625	20
2001	3,548	2,250	63	600	17